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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/718,176	11/20/2003	Chun-Che Chiu	Q1201	9354	
34335	7590 06/17/2005		EXAMINER		
LAW OFFICES OF DAVID PAI 1001 FOURTH AVENUE, SUITE 3200			NGUYEN, NINH H		
SEATTLE, V		0	ART UNIT PAPER NUMBER		
ŕ			3745		
			DATE MAILED: 06/17/200	DATE MAILED: 06/17/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	 -			
Office Astion Commence	10/718,176	CHIU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ninh H. Nguyen	3745				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	i6(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timel the mailing date of this co D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	_·					
2a)⊠ This action is FINAL . 2b)□ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.				
Disposition of Claims						
 4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) 12-20 is/are allowed. 6) Claim(s) 1-7 is/are rejected. 7) Claim(s) 8-11 is/are objected to. 8) Claim(s) are subject to restriction and/or 						
Application Papers						
9) The specification is objected to by the Examine	r					
10)⊠ The drawing(s) filed on <u>20 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P1	O-152.			
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau 	s have been received. s have been received in Applicati ity documents have been receive	on No	Stage			
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892)	4) 🔲 Interview Summary Paper No(s)/Mail Da	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P		D-152)			

Application/Control Number: 10/718,176 Page 2

Art Unit: 3745

DETAILED ACTION

1. Applicant's arguments filed 04/06/05 have been fully considered but they are not completely persuasive.

Applicant argues that Hung neither teaches nor suggests using the cross bar to cover the high pressure region nor utilizing the protrusion to prevent air leakage at the high pressure region. Therefore, the Hung reference does not anticipate claim 1.

The Examiner respectfully disagrees.

Hung in Figure 2 clearly shows the protrusion 23 covers the high pressure region as recited in claim 1. Whether or not the protrusion is used to prevent air leakage in the high pressure region is purely intended used and will not be given patentable weight even if being recited as a claim limitation. Therefore, Hung anticipates claim 1.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Hung (6,805,536).

Hung discloses a side-blown fan (Figs. 1-3) comprising a case 12 having a side-outlet, a first axial inlet, and a first protrusion 23 extending from an edge of the first axial inlet toward the center of the first axial inlet; and a blade member 16 embedded inside the case, wherein a high

air pressure region inherently exists between the blade member and the case in a radial direction, and the first protrusion covers the high air pressure region and a part of the blade member (Fig. 1);

wherein the fan inherently comprises a flow field region between the case and the blade member;

wherein the high air pressure region is inherently a region extending from the narrowest section of the flow field region to a section at a prescribed distance along the direction of the operational air stream inside the case (Fig. 3);

wherein the case is constituted of a plurality of case elements 23 and 12; and wherein the plurality of case elements are jointed by fastening (Fig. 3).

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all 3. obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hung in view of 4. Yamaguchi et al. (6,328,529).

Hung discloses all the limitations except the plurality of case elements are not jointed by engaging hooking structures and corresponding eye structures formed on the case element, respectively as claimed.

Page 4

Art Unit: 3745

Yamaguchi teaches a blower (Figs. 1-4) comprising an impeller 3 disposed inside a casing wherein the casing comprises a plurality of elements 4, 1 jointed by engaging hooking structures 6 and corresponding eye structures 5 formed on the case elements to reduce the number of parts and labor when assembling the casing (col. 5, lines 32-39).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made, to make the fan of Hung with the element 23 and 12 jointed together by engaging hooking structures and corresponding eye structures on the case elements for the purpose of providing a casing with a reduced number of parts and less labor cost as taught by Yamaguchi.

Allowable Subject Matter

- 5. Claims 12-20, due to the limitations of a plurality of inlets with each inlet having a corresponding protrusion, are allowed.
- 6. Claims 9-11, due to a second axial inlet and a second protrusion, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. Claim 8, due to the limitation of the protrusion being a chord edge or a bump of the first axial inlet, is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

8. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Ninh Nguyen whose telephone number is (571) 272-4823. The examiner can be normally reached on Monday-Friday from 7:30 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look, can be reached at (571) 272-4820. The fax number for this group is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

Art Unit: 3745

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, please go to http://pair-direct.uspto.gov or contact the Electronic Business center (EBC) at 866-217-9197 (toll-free).

NINH H. NGUYEN PRIMARY EXAMINER

Nhn June 14, 2005